AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
J	1 5

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO.(If applicable)
0007	31-Mar-2004	W33SJG-3212-7917	

6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than item 6)	CODE
US ARMY ENGINEER DISTRICT SAVANNAH 100 W OGLETHORPE AVENUE SAVANNAH GA 31401-3640	W912HN	**See Item 6**	

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		
	X	9A. AMENDMENT OF SOLICITATION NO. DACW21-03-B-0011
	X	9B. DATED (SEE ITEM 11) 25-Nov-2003
		10A. MOD. OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)
CODE / FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer [X] is extended, [ ] is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

[ ] A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

[ ] B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).

[ ] C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

[ ] D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [ ] is not, [ ] is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Subject: Richard B. Russell Powerplant Static Start Frequency Installation

1. The bid opening date for the subject project has been postponed indefinitely.

2. This amendment is issued to answer the Technical questions that were submitted. See the attached pages with the Technical questions and answers.

3. This amendment also includes a revised bid schedule adding line item 0017 (Miscellaneous Welding) and revised Section 16353.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) TEL: EMAIL:	
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED 31-Mar-2004

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

4. In response to a question that was asked under amendment 0005 regarding using propane or electric lift the answer provided was incorrect based on the regulation referenced below the only type of lift to be used is electric.

'PROPANE OR ELECTRIC LIFTS'. The new 385-1-1 Nov 03 states the following in regards to working inside: 16.A.12 Equipment powered by an internal combustion engine will not be operated in or near and enclosed area unless adequate ventilation is provided to ensure the equipment does not generate a hazardous atmosphere.

Section 16353 Paragraph 3.2.3 is revised to read as follows:

SECTION 16353 Paragraph 3.2.3 Replacement of Current Transformers: Change this paragraph to read, "The four Government-furnished circuit breakers for Units 5-8 require replacement of some of their current transformers. In each of these four circuit breakers, the Contractor shall remove the three 6000:5 single-core current transformers from the transformer side of the circuit breaker. In each of these four circuit breakers, the Contractor shall furnish and install three 2-core current transformers on the transformer side of the circuit breaker. Each core shall be rated C400, 6000:5, shall meet the requirements of Paragraph 2.8.1, and shall be submitted for approval. Field verify and provide the necessary cabling between the current transformers and the circuit breaker terminal cabinet. All work shall be with the coordination of, and under the supervision of, the circuit breaker erecting engineer. After completion of work, the Contractor shall provide corrections to the contract drawings for current transformer wiring accordingly."

Below are the questions that were submitted for response:

1. Question: Volume 2 Reference Drawings, plates 125 through 135, do not address specific concerns we have regarding how much welding will need to be done to install this isophase bus. Is the outshell on each piece welded to the adjacent piece or coupled via a mechanical coupling or fitting? Likewise, how does the internal bus couple together? Via a weld or mechanical bolted connection? These issues need to be clarified in order to accurately calculate installation time. Also, I downloaded the Volume 2 Drawings, plates 125 through 135, from the Savannah Corp of Engineer web site as you suggested. We found, however, that these drawings are very difficult to read with most notations unreadable.

Answer: According to the specs and the shop drawings from the Circuit Breaker Supply Contract (which included the isophase bus) all field connections for the bus and for the enclosures (internal bus and outshell) are to be welded.

The quality of the electronic reference drawings R-125 through R-135 that are available to the bidders is the best we were able to achieve. The hardcopy of the original drawings will be available at the site for the Contractor’s use during construction.

2. Question: Our riggers have visited the site and cannot see any lifting eyes or other methods for lifting the existing circuit breakers and we cannot see any details in the reference drawings to show how the existing equipment needs to be lifted. Can the government supply any legible drawings or information on this?

Answer: In response to the question concerning the rigging and lifting of the existing circuit breakers, the OCBs have four lifting hooks on the top of the breaker frame to be used in lifting the breaker after the proper disconnections have been made. The ABCBs are designed for partial disassembly into at least two sub assemblies. After all of the internal flexible power carrying straps, the ground bus connections, the control and current wire connections, and air supply connections are disconnected, the front cabinet center support can be removed. The breaker assembly (all three phases) can then be rolled out of the breaker cabinet exposing the frame welded to the top of the breaker air receiver tank. The frame on top of the receiver tank has four lifting eyes, which can be used to lift the unit. The remaining breaker cabinet is designed with four lifting eyes located on top of the breaker cabinet to lift the cabinet. Breaker assembly and disassembly is designed to be performed by removal of nuts and bolts without having to use any type of cutting tool.

3. Question: IF a crane is used to lift the breakers off of the roof or the generator galley, the spread of the outriggers would put them slightly on the breaker side of the curbs on the roof. Can the Government supply any information as to the weight that the roof is designed to withstand in that are?

Answer: The Contractor is going to be required to remove the existing circuit breakers from the transformer deck (el. 350) between the upstream wall of the power plant and the downstream face of the concrete dam. The maximum lift will be less than 7 tons, but a large crane will be needed to have sufficient boom length to make the pick. The crane that is used, in the "cramped" conditions on the transformer deck, will have to place the two downstream outriggers of the crane inside the service bay (that is, place them downstream of the curbs which separate the driving lane from the service bays where the circuit breakers, as well as the transformers, are located on the transformer deck.

4. Question: In a previous letter, we asked about control wiring between the new SF6 breakers and the remotely mounted control cabinet. The Government's response was to direct us to the existing reference drawings. We cannot tell if there are any reference drawings for similar breakers in these drawings. In most of these drawings the detail is very poorly legible, including the title blocks. We would request that the Government supply us with the wiring drawings of the wiring on the new breakers so that we can determine how much wiring and cable work will need to be preformed between the control cabinets and the new SF6 breakers.

Answer: We have provided all the information that we have regarding the wiring for the new breakers, which includes contract drawings and the reference drawings. The Government believes that with the information provided is sufficient for the contractor to submit a bid. The hardcopy of the original drawings will be available at the site for the Contractor’s use during construction.

SECTION 00100 - REVISED SCHEDULE

RICHARD B RUSSELL GENERATOR CIRCUIT BREAKER AND STATIC START SYSTEM INSTALLATION

Item No.	Description	Quantity	Unit	Unit Price	Amount
0001	Mobilization & Demobilization	1	Lump Sum	____	$_____
0002	Remove Existing Oil Filled Circuit Breakers and Isolated-Phase Bus (Units 1-4)	1	Lump Sum	____	$_____
0003	Remove Existing Air Blast Circuit Breakers, Isolated-Phase Bus, and Air Compressor (Units 5-8)	1	Lump Sum	____	$_____
0004	Remove Existing Conduit and Install New Conduit and Cable Tray	1	Lump Sum	____	$_____
0005	Remove Existing Cable and Install & Terminate New Cable	1	Lump Sum	____	$_____
0006	Remove Portion of Existing Starting Bus, Two (2) Starting Bus Breakers, and four (4) Starting Bus Motor-operated Disconnect Switches	1	Lump Sum	____	$_____
0007	Install Eight (8) New Government-furnished SF6 Circuit Breakers and Isolated-Phase Bus (Units 1-8)	1	Lump Sum	____	$_____
0008	Install New Government-furnished Static Start System and Appurtenances, Including Input/Output Circuit Breakers, Transformers, Reactors and Isolated-Phase Bus	1	Lump Sum	____	$_____
0009	Miscellaneous Electrical Equipment & Accessories and Modifications to Main Control Room Switchboard Panels and Annunciator Relay Cabinets	1	Lump Sum	____	$_____

Item No.	Description	Quantity	Unit	Unit Amount Price
0010	Miscellaneous Painting (Generator Unit Breaker Cabinets, Isolated-Phase Bus, Touch up & Other Miscellaneous)	1	Lump Sum	____ $_____
0011	Coating Transformer Deck	1	Lump Sum	____ $_____
0012	Concrete Removal, Placement, Bonding, Drilling, and Grouting	1	Lump Sum	____ $_____
0013	Furnish As-Built Corrections to the Contract Drawings	1	Lump Sum	____ $_____
0014	Furnish Electrician Hire, (Optional)	500	Hr. Est	____ $_____
0015	Furnish Other Skilled Craftsman Hire (Optional)	500	Hr. Est	____ $_____
0016	Furnish General Labor Hire (Optional)	500	Hr. Est	____ $_____
****0017**	**Miscellaneous Welding (Optional)**	1	Lump Sum	____ $_____

Total:_____